Abstract

The present invention provides compounds of formula (I) including stereoisomers, prodrugs and pharmaceutically acceptable salts or solvates thereof

$$R_1$$
 N R_2 G G G

wherein

the dashed line may represent a double bond;

R is aryl or heteroaryl, each of which may be substituted by 1 to 4 groups J selected from:

halogen, C1-C6 alkyl, C1-C6 alkoxy, halo C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, halo C1-C6 alkoxy, -C(O) R_2 , nitro, hydroxy, -NR₃R₄, cyano and or a group Z;

R₁ is hydrogen, C3-C7 cycloalkyl, C1-C6 alkyl, C1-C6 alkoxy, C1-C6 thioalkyl, C2-C6 alkenyl, C2-C6 alkynyl, halo C1-C6 alkoxy, halogen, NR₃R₄ or cyano;

 R_2 is a C1-C4 alkyl, -OR₃ or -NR₃R₄;

R₃ is hydrogen or C1-C6 alkyl;

R₄ is hydrogen or C1-C6 alkyl;

R₅ is a C1-C6 alkyl, halo C1-C6 alkyl, C1-C6 alkoxy, halo C1-C6 alkoxy, C3-C7 cycloalkyl, hydroxy, halogen, nitro, cyano, -NR₃R₄; -C(O)R₂;

R₆ is a C1-C6 alkyl, halo C1-C6 alkyl, C1-C6 alkoxy, halo C1-C6 alkoxy, C3-C7 cycloalkyl, hydroxy, halogen, nitro, cyano, -NR₃R₄; -C(O)R₂;

R₇ is hydrogen, C1-C6 alkyl, halogen or halo C1-C6 alkyl;

R₈ is hydrogen, C3-C7 cycloalkyl, C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, NR₃R₄ or cyano;

R₉ is hydrogen, C3-C7 cycloalkyl, C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, NR₃R₄ or cyano;

R₁₀ is hydrogen, C3-C7 cycloalkyl, C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, NR₃R₄ or cyano;

R₁₁ is hydrogen, C3-C7 cycloalkyl, C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, NR₃R₄ or cyano;

 R_{12} is R_3 or $-C(O)R_2$;

D is CR₈R₉ or is CR₈ when double bonded with G;

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G is CR₁₀R₁₁ or is CR₁₀ when double bonded with D or is CR₁₀ when double bonded with X when X is carbon;

X is carbon or nitrogen;

Y is nitrogen or $-CR_7$;

W is a 4-8 membered ring, which may be saturated or may contain one to three double bonds, and

in which:

- one carbon atom is replaced by a carbonyl or S(O)_m; and
- one to four carbon atoms may optionally be replaced by oxygen, nitrogen or NR_{12} , $S(O)_m$, carbonyl, and such ring may be further substituted by 1 to 8 R_6 groups;
- z is a 5-6 membered heterocycle, which may be substituted by 1 to 8 R_5 groups or a phenyl ring, which may be substituted by 1 to 4 R_5 groups;

m is an integer from 0 to 2.

to processes for their preparation, to pharmaceutical compositions containing them and to their use in the treatment of conditions mediated by corticotropin-releasing factor (CRF).